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Application Number

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

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Art Unit

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Attorney Docket Number 03/30

			U. S. PATENT D	Name of Patentee or	Pages, Columns, Lines, Where			
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*/		US-4487.412	12-11-1984	Meeko				
1		US 5 004 231	04-02-1991	Alread	-			
_		US-5 350 343	09-27-1994	Dasilva				
1		US 5 813 950	09-29-1998	Parker				
		US 4807876	02-28-1989		_			
·V		US-41/184 122	08-04-1987	Desmond et al.	 -			
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FOREIGN PATENT DOCUMENTS								
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